Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/18/2018 10:23 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125256	0	2.40	125315	2.39
Blue	F	SSC	125000	124208	-1	4.05	125075	4.04
Blue	E	FITC	15492	15198	-2	3.95	356	21.80
Blue	D	PE	28736	28099	-3	3.23	621	16.08
Blue	B	PerCP-Cy5-5	41413	41241	-1	4.70	1126	23.07
Blue	A	PE-Cy7	31321	31392	0	7.16	567	48.51
Red	C	APC	41673	40676	-3	3.11	1569	13.39
Red	A	APC-Cy7	29962	29470	-2	2.96	738	13.88
Violet	B	V450	8318	7963	-5	4.74	443	14.68
Violet	A	V500	34199	33423	-3	4.53	803	11.54

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20380	4.26	608	-5	N/A	N/A	Pass
Blue	F	SSC	56288	3.50	576	8	N/A	N/A	Pass
Blue	E	FITC	59	74.13	558	-3	0.0162	206	Pass
Blue	D	PE	122	57.86	557	-3	0.1434	326	Pass
Blue	B	PerCP-Cy5-5	208	56.53	664	-3	0.0074	64	Pass
Blue	A	PE-Cy7	109	121.86	719	-3	0.0088	24	Pass
Red	C	APC	361	28.36	601	0	0.0192	115	Pass
Red	A	APC-Cy7	184	31.21	577	1	0.0048	1129	Pass
Violet	B	V450	64	70.36	475	-2	0.0413	2100	Pass
Violet	A	V500	115	38.12	493	-1	0.0184	845	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.65	-32.15	1.10
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	16.78	13.60 - 20.40	N/A	N/A	29.33	29.75	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11672

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments